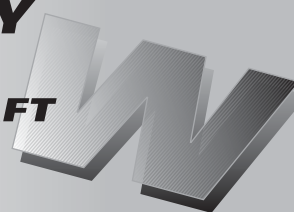




**WARRANTY**  
CAMPAIGN

**WATERCRAFT**  
**WARRANTY**  
Bulletin



**CAUTION:** All involved customers must be notified, all involved units must be corrected as per instructions herein.

Campaign no.: 2011-0004

August 9<sup>th</sup>, 2011

Subject: **Timing Chain Replacement**

No. **2011-4**

YEAR	MODEL	MODEL NUMBER	PARTS GROUP	SERIAL NUMBER
2011	GTS 130	25BA, 43BA, 43BB	3	See the attached list
	GTI 130	23BA, 23BB	3	
	GTI SE 130	24BA, 24BB, 24BC	3	
	GTI SE 155	30BA, 30BB	3	
	GTI LTD 155	39BA, 39BB	3	
	GTX 215	42BA, 42BB	2	
	GTX iS 215	33BA	1	
	GTX LTD iS 260	18BA, 18BB	1	
	RXT 260	17BA, 17BB	2	
	RXT X 260	31BA	2	
	RXT X RS 260	31BB	2	
	RXT X aS 260	41BA	1	
	RXT X RS aS 260	41BB	1	
	RXT iS 260	34BA, 34BB	1	
	WAKE 155	35BA, 35BB	3	
WAKE PRO 215	26BA, 26BB	2		

## PROBLEM

Timing chain may break causing engine damages.

## SOLUTION

Replace timing chain.






# REQUIRED PARTS





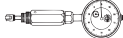
These parts must be ordered through the normal channel.

NOTE: The following *PARTS GROUP COLUMNS* must be used jointly with the one in previous table to order required parts for specific model.

DESCRIPTION	PARTS GROUP			P/N	QTY
	1	2	3		
Timing chain 	X	X	X	(P/N 420 898 046)	1
Timing chain master link 	X	X	X	(P/N 420 898 770)	1
Timing chain link plate 	X	X	X	(P/N 420 898 775)	1
Blow-by valve O-ring 	X	X	X	(P/N 420 950 870)	1
Blow-by valve V-ring 	X	X	X	(P/N 420 630 125)	1
Pump support O-ring 			X	(P/N 293 250 084)	2
Jet pump nuts 			X	(P/N 232 581 200)	4
Jet pump screw (M8 x 30 hexagonal head screw) 	X	X		(P/N 250 000 526)	4
LH front carpet 	X			(P/N 291 002 607)	1
RH front carpet 	X			(P/N 291 002 608)	1
Rear suspension screws (M8 x 50) 	X			(P/N 207 285 060)	8
Lateral support screws (M6 x 20) 	X			(P/N 207 362 060)	12
Suspension mounting plate screws (M8 x 30) 	X			(P/N 207 383 060)	6

# REQUIRED SERVICE TOOLS

AUTO-SHIPPED* TOOLS FOR THIS BULLETIN		
DESCRIPTION	P/N	QTY
Chain link remover 	(P/N 529 000 069)	1
Chain link installer 	(P/N 529 000 068)	1
Chain holder 	(P/N 529 000 070)	2
Timing chain reusable link plate (Green) 	(P/N 529 036 233)	1
Dial gauge adapter 	(P/N 529 000 071)	1
* Auto-ship does not apply to markets outside the USA and Canada.		

OTHER SERVICE TOOLS (NOT AUTO-SHIPPED FOR THIS BULLETIN)		
DESCRIPTION	P/N	QTY
Jet pump plate 	(P/N 529 036 224)	1
Drive shaft adapter (130 and 155 engines) 	(P/N 529 035 892)	1
Drive shaft adapter (215 and 260 engines) 	(P/N 529 035 985)	1
Camshaft locking tool 	(P/N 529 035 839)	1
Dial gauge 	(P/N 414 104 700)	1

## PROCEDURE

To optimize the timing chain replacement, two technicians are recommended. Refer to tables below for the task responsibilities between technicians.

Both technicians will work at the same time on the watercraft to prepare it. While technician #1 performs the watercraft preparation, technician #2 prepares the engine (see the next tables).

**NOTE:** The flat rate allowed for the timing chain replacement takes into account that 2 technicians are dedicated to do this repair.

iS AND aS MODELS	
OPERATION	PERFORMED BY
Moving deck and deck extension removal	Both technicians
Jet pump removal	Technician #1
Engine preparation	Technician #2
Timing chain replacement	Both technicians

ALL MODELS EXCEPT iS AND aS	
OPERATION	PERFORMED BY
Jet pump removal	Technician #1
Engine preparation	Technician #2
Timing chain replacement	Both technicians

Have the following shop manuals near you to remove and install some components.

SHOP MANUAL	P/N
2011 shop manual GTS/GTI/RXT/GTX/WAKE Series	(P/N 219 100 538)

The SAV department has put a video on BOSS-Web showing the complete procedure to replace the timing chain.

A video has been produced to complete the information given in this bulletin, go to:

- [www.bossweb.brp.com](http://www.bossweb.brp.com)
- ComCenter = Document
- Document Type = Technical Publication
- Category = Warranty Bulletin
- Product Line = Watercraft
- Model Year = 2011
- Select video (English version only):
  - 2011-4 Timing Chain Replacement Video

## Moving Deck and Deck Extension Removal

### *iS and aS Models*

Refer to *BODY (RXT/GTX/WAKE PRO)* subsection in shop manual for complete procedure.

## Jet Pump Removal

Remove jet pump assembly from watercraft. Refer to *JET PUMP* subsection in shop manual.

## Engine Preparation

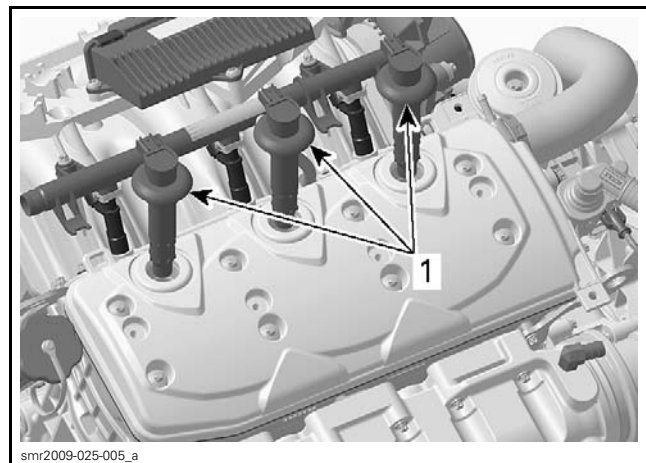
### Cylinder Head Cover Removal

Remove the following parts according to model:

MODEL	PART(S) TO BE REMOVED
GTS, GTI and WAKE 155 Series	– Remove seat
RXT, GTX and WAKE PRO (no iS and aS models)	– Open seat. – Remove transversal support and move coolant tank aside to make room.
RXT and GTX (iS and aS models)	– Remove the air intake silencer and its support. Refer to <i>AIR INTAKE SILENCER (iS AND aS models)</i> .

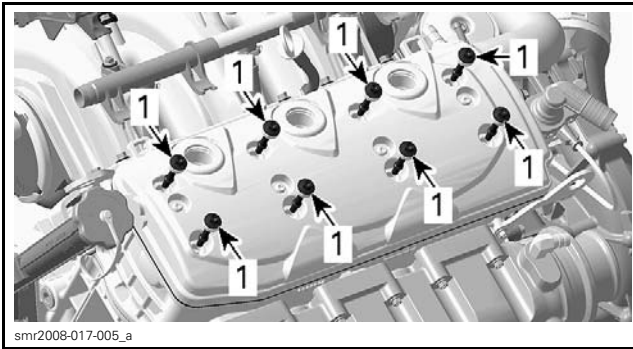
Remove cylinder head cover as follows:

1. Unplug and remove ignition coils.



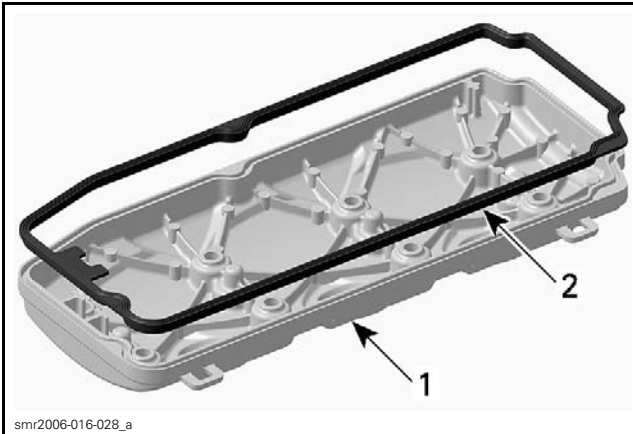
1. Ignition coils

2. Remove spark plugs.
3. Remove screws securing cylinder head cover.



1. Cylinder head cover screws

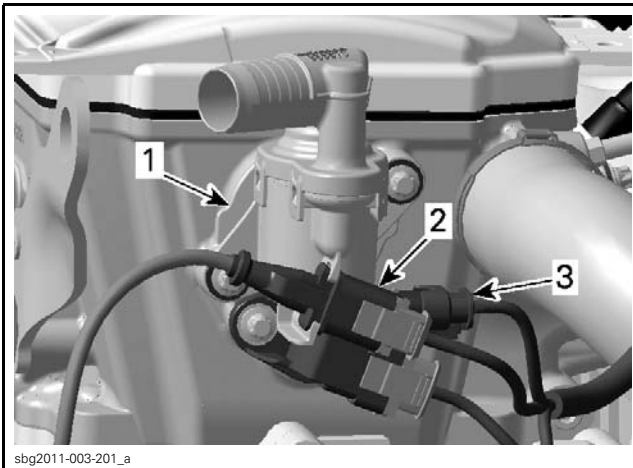
4. Remove the cylinder head cover and its gasket.



1. Cylinder head cover  
2. Gasket

### Blow-by Valve Removal

1. Disconnect the following connectors from the blow-by valve:
  - CPS sensor connector
  - TOPS switch connector.
2. Remove blow-by valve from cylinder head.



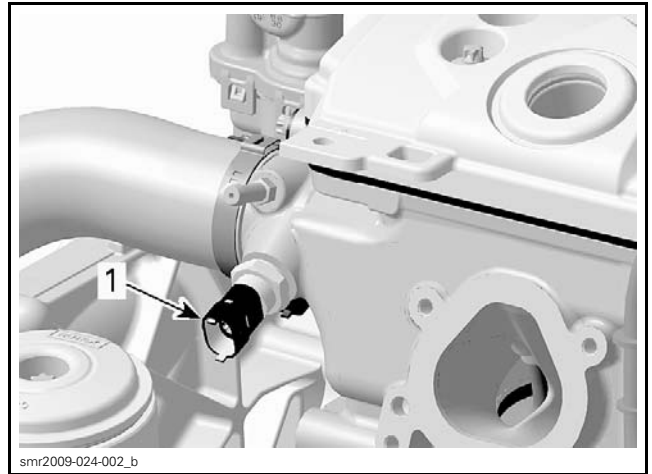
TYPICAL - SOME PARTS REMOVED FOR CLARITY

1. Blow-by valve
2. CPS connector
3. TOPS switch connector

3. Remove and discard O-ring and V-ring from blow-by valve.

### CTS Connector Disconnect

Disconnect CTS sensor connector.

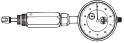



TYPICAL - SOME PARTS REMOVED FOR CLARITY

1. Coolant temperature sensor (CTS)

### Dial Gauge Installation

Install the following tools on cylinder 3.

REQUIRED TOOL	
Dial gauge	
Dial gauge adapter	

NOTE: Cylinder 3 is the last cylinder opposite to timing chain.





1. Dial gauge on cylinder 3

### Positioning Cylinder 3 to TDC

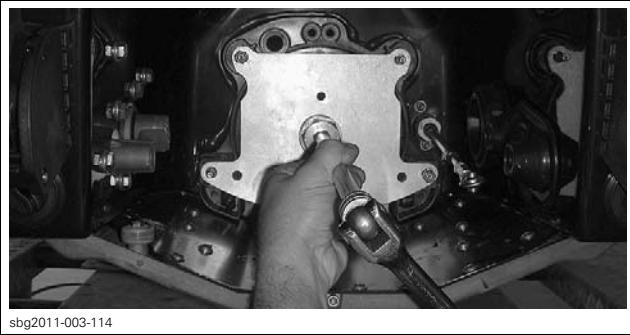
NOTE: Make sure PUMP PLATE (P/N 529 036 224) has been installed during jet pump removal. If not, install it before turning the drive shaft.

1. Install the appropriate adapter on drive shaft end.

REQUIRED TOOL	
Drive shaft adapter (130 and 155 engines)	
Drive shaft adapter (215 and 260 engines)	

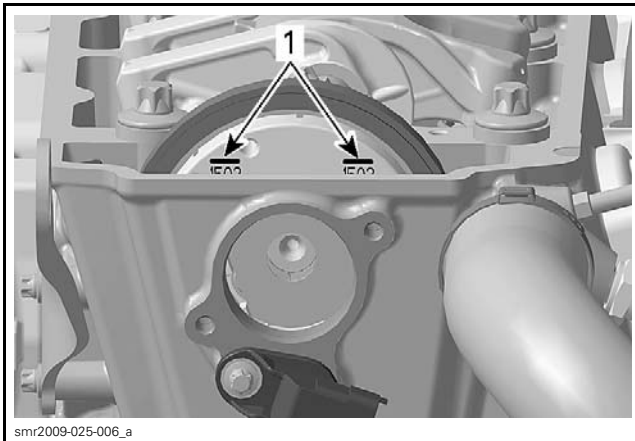
2. Install a breaker bar on drive shaft adapter.

**NOTE:** Do not install a ratchet wrench on drive shaft adapter.



**BREAKER BAR INSTALLATION**

3. Rotate drive shaft **counterclockwise** until camshaft timing gear marks are aligned horizontally.



1. Camshaft timing gear marks

4. Position cylinder 3 at TDC as follows:


- 4.1 Continue to rotate drive shaft **counterclockwise** until TDC is found
- 4.2 Slightly rotate **clockwise** to overcome friction ( $\pm 1/4$  turn).
- 4.3 Rotate counterclockwise until cylinder 3 reaches TDC.

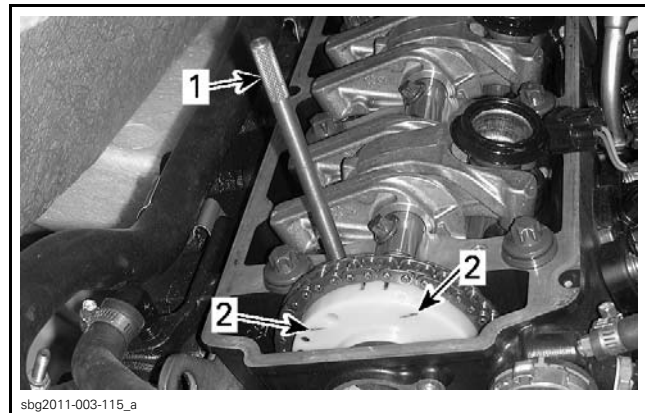
5. Set dial gauge to zero at TDC.



**DIAL GAUGE SET TO "0"**

6. Lock camshaft timing gear.

REQUIRED TOOL	
CAMSHAFT LOCKING TOOL (P/N 529 035 839)	



**TYPICAL**

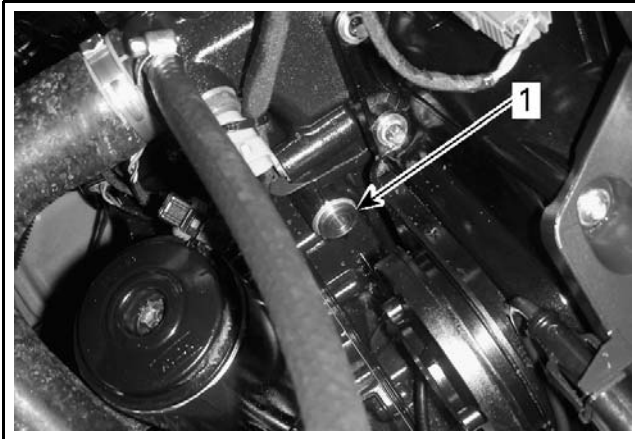
1. Camshaft locking tool
2. Camshaft timing gear marks

## Timing Chain Replacement

**NOTICE** During the timing chain replacement, proceed with caution in order to avoid components falling into the cylinder head or into hull.

### Timing Chain Tensioner Removal

Remove timing chain tensioner and the plug screw from cylinder block.



sbg2011-003-007\_a

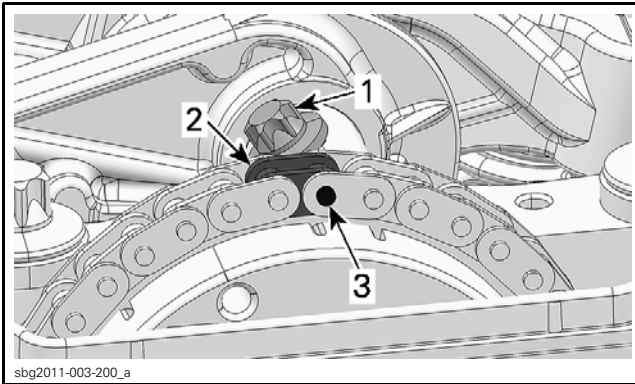
**TYPICAL**

1. Timing chain tensioner plug screw

**NOTE:** Do not lose plug screw sealing washer upon removal.

**Timing Chain Link Removal**


1. Locate the timing chain link aligned with the rocker arm shaft screw.



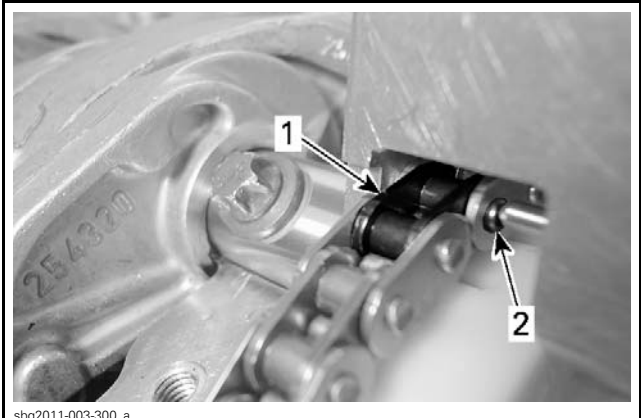
sbg2011-003-200\_a

1. Rocker arm shaft screw
2. Timing chain link aligned with rocker arm shaft screw
3. Pin to be removed

2. Install the timing chain link remover over the chain and align the extractor with left pin that retain the first link plate located at the right of the timing chain link previously determined.

REQUIRED TOOL	
Chain link remover	

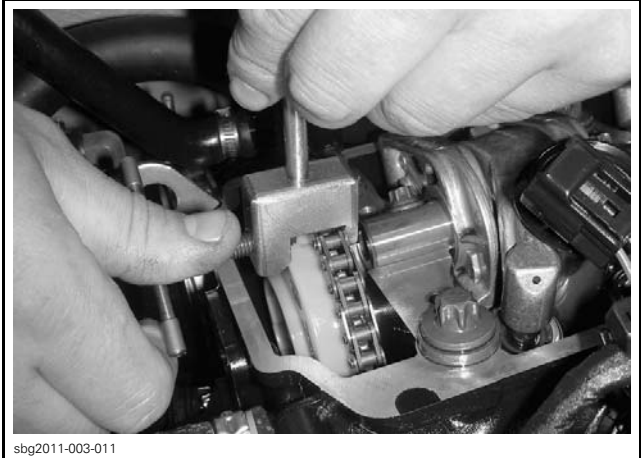
**NOTICE** Do not use other tool than the recommended one to extract the pin.



sbg2011-003-300\_a

1. Timing chain link aligned with rocker arm shaft screw
2. Pin to be extracted

3. Push pin through, by turning the chain link remover handle until tight or pin bottoms out.



sbg2011-003-011

**TIGHTEN UNTIL IT CONTACTS**

**NOTE:** Pin will not be pushed all the way out and will remain in plate.

4. Insert a screwdriver between timing chain link plates and pry them to completely separate the timing chain link.



sbg2011-003-119

**TIMING CHAIN LINK REMOVED**

5. On intake side, hold timing chain in place using a chain holder.



REQUIRED TOOL

Chain holder



Timing Chain Replacement

1. Attach one end of the **new** timing chain to the remaining end of the engine timing chain (exhaust side) using the timing chain master link and the timing chain reusable link plate (green).

REQUIRED PARTS

Timing chain

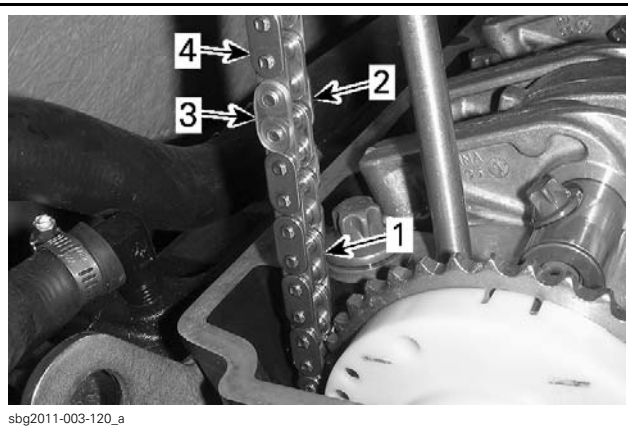


Timing chain master link



REQUIRED TOOL

Timing chain reusable link plate (Green)

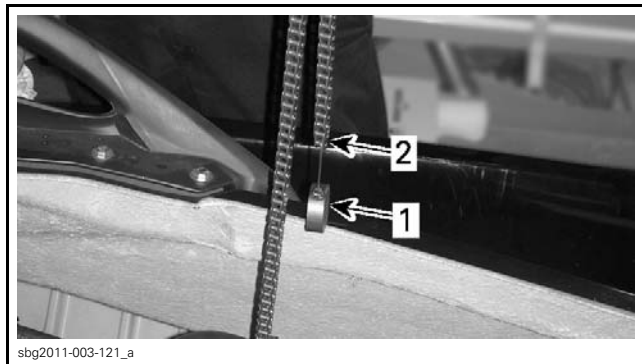


- 1. Engine timing chain
- 2. Timing chain master link
- 3. Timing chain reusable link plate (green)
- 4. New timing chain

2. Use the other chain holder to secure the other end of the **new** timing chain.

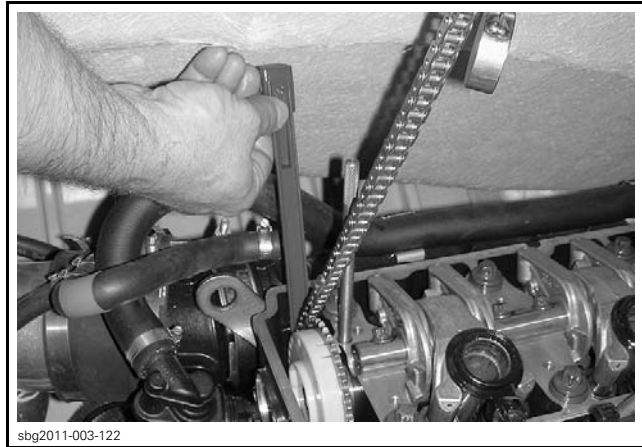
REQUIRED TOOL

Chain holder



- 1. New timing chain end
- 2. Chain holder

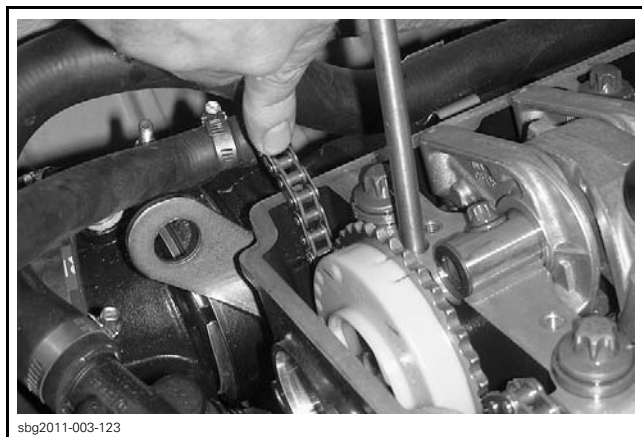
3. Remove timing chain guide.



**NOTICE** Hold a constant tension on timing chain.

4. With the assistance of the other technician, feed the new chain as follows.

4.1 Using a finger, lean the new timing chain against the cylinder head (exhaust side).



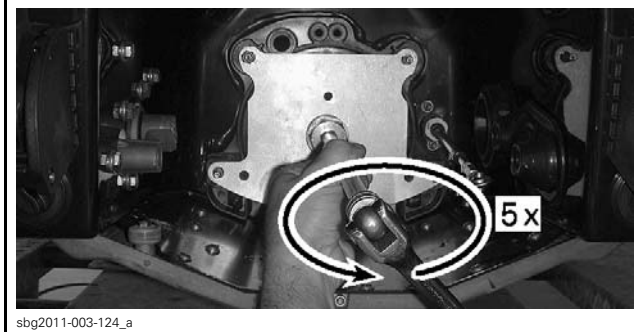
TIMING CHAIN PUSHED AGAINST LH SIDE

4.2 Keep tension on both ends of the timing chain by slightly pulling upward on both chain holders. Chain must be kept in alignment with timing gear.



- 4.3 Hold timing chain while the other technician rotates the drive shaft **counterclockwise** 5 turns.

<b>DRIVE SHAFT ROTATION</b>
5 turns counterclockwise



**DRIVE SHAFT ROTATION (COUNTERCLOCKWISE)**

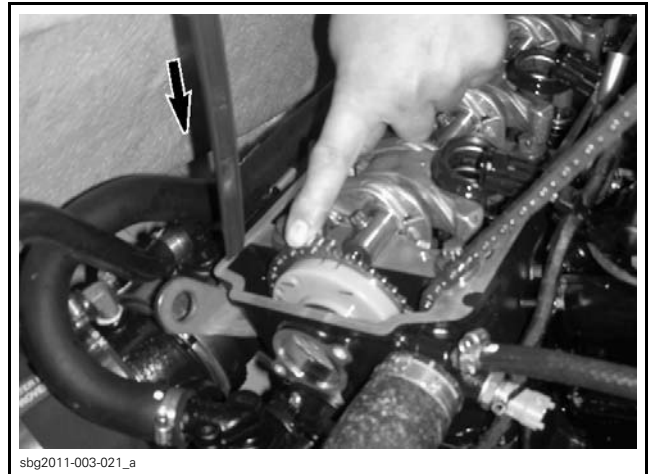
- 4.4 Position cylinder 3 at TDC.

**NOTE:** It is possible that the TDC point will not be perfectly aligned with the zero on dial gauge. A slight difference of few thousandths is acceptable.



**CYLINDER 3 POSITIONED AT TDC**

- 4.5 Remove timing chain holder from the end of the new timing chain and place timing chain on camshaft timing gear.
5. Reinstall timing chain guide.

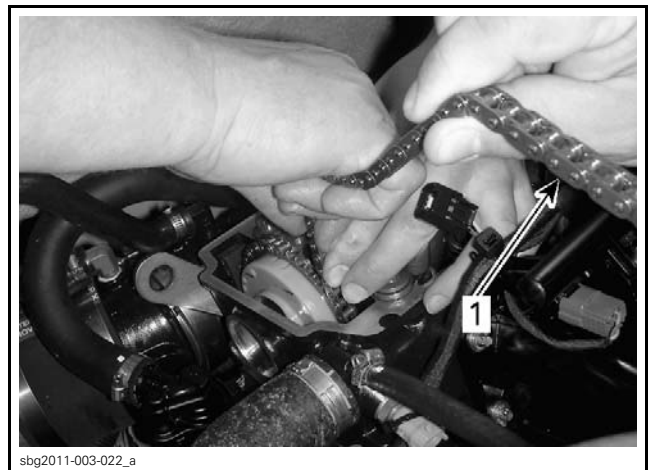


**TIMING CHAIN GUIDE INSTALLATION**

6. Remove reusable link plate (green) and keep it for further use.

7. Detach the replaced timing chain.

**NOTE:** Keep it, the timing chain must be returned with your warranty claim.

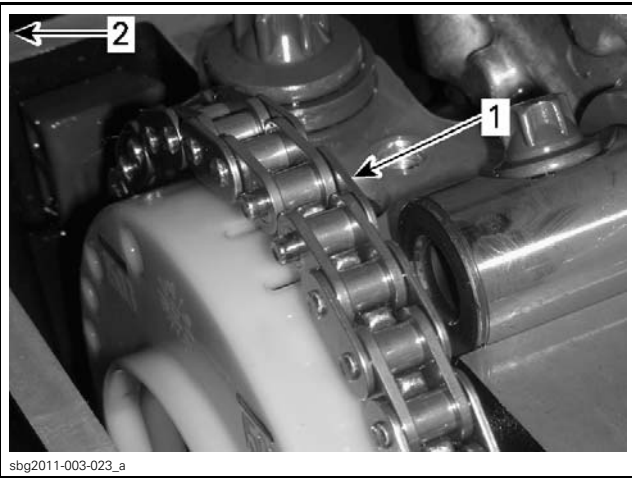


1. Detach and save previous timing chain

### Timing Chain Master Link Installation

1. Attach both ends of new timing chain together using the timing chain master link.


**NOTE:** Plate of the master link must be positioned towards camshaft.

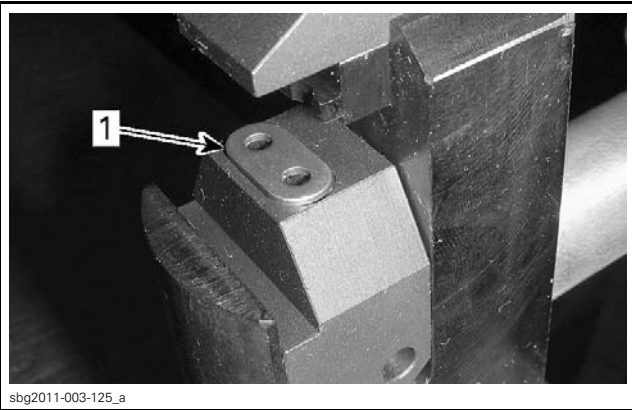


1. Master link plate
2. Plate facing camshaft timing gear

2. Install the **new** master link plate on timing chain link installer tool.

REQUIRED TOOL	
Chain link installer	

REQUIRED PART	
Timing chain master link plate	

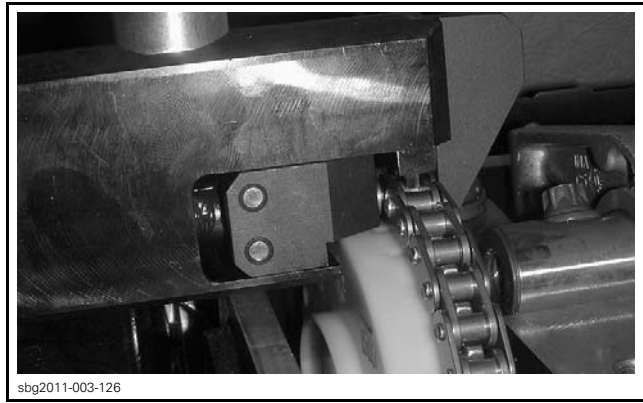


- TYPICAL**
1. **NEW** master link plate

3. Properly install chain link installer on the timing chain.

**NOTE:** The tool must rest properly on the pins before installation. To verify this, place the tool on the pins, slightly rock chain link installer to "feel" that installer is seated evenly on both pins.

4. Hand tighten chain link installer screw.



5. Tighten chain link installer screw to specification.

**NOTICE** The tightening torque required to tighten the chain link installer screw is critical. Make sure your torque wrench is properly calibrated before beginning.

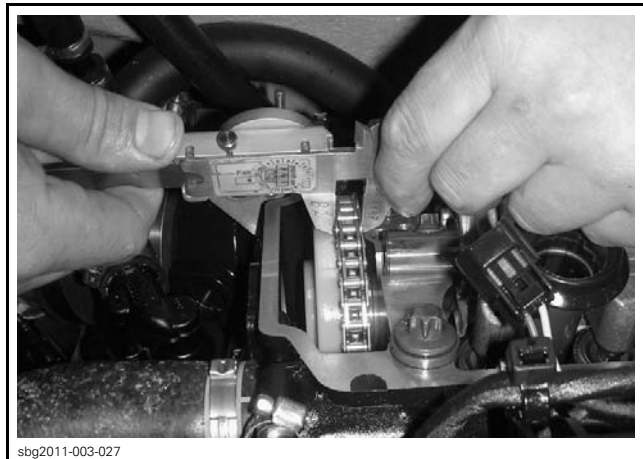
TIGHTENING TORQUE	
Chain link installer screw	38 N•m ± 2 N•m (28 lbf•ft ± lbf•ft)



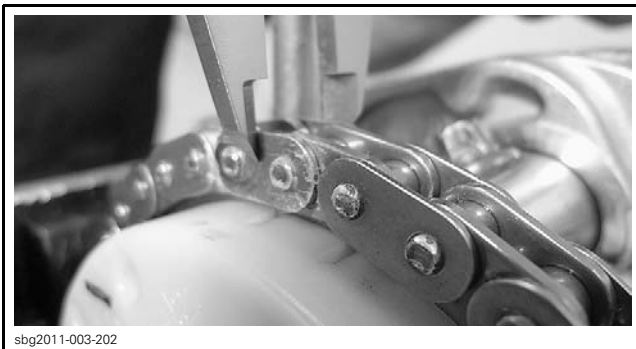
**TIMING CHAIN MASTER LINK TIGHTENING**

### Timing Chain Master Link Inspection

1. Measure master link width.

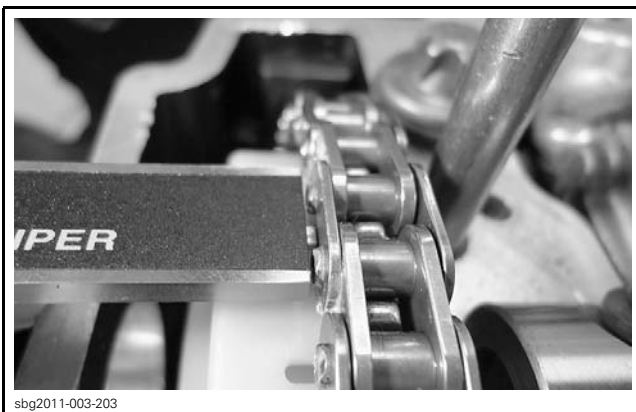


**WIDTH MEASUREMENT ON ENGINE**



**WIDTH MEASUREMENT**

2. Measure master link pin end gap.



**PIN END GAP MEASUREMENT**

3. Check that measurements are as per specification.

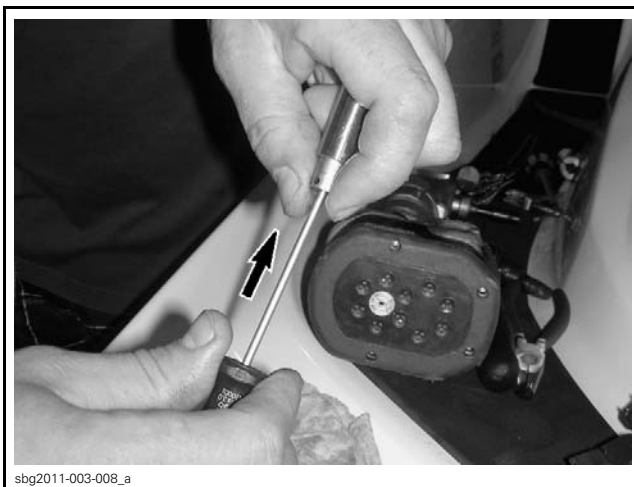
DIMENSIONS	
Master link width	10.10 mm to 10.35 mm (.398 in to .407 in)
Master link pin end gap	MINIMUM 0.70 mm (.028 in)

If any specifications are not met, refer to table.

RESULT	REASON	ACTION
Master link width below specification	The torque applied by your torque wrench is too high. Decrease tightening torque to avoid applying a torque too high a second time.	Replace timing chain master link with a new one.
Master link width above specification and pin end gap is within specification	Master link not conform to specification.	Replace timing chain master link with a new one.
Master link width above specification and pin end gap specification is not reached	The torque applied by your torque wrench is too low. Increase tightening torque before repeating the operation.	Repeat step 6 of <i>TIMING CHAIN MASTER LINK INSTALLATION</i> and recheck timing chain as explained above.

### Timing Chain Tensioner Installation

Using a small screwdriver or any other suitable tool, bleed the timing chain tensioner from remaining oil by compressing the inner section of the tensioner.



**TENSIONER BLEEDING**

Install timing chain tensioner and tighten the plug screw to specification.

TIGHTENING TORQUE	
Timing chain tensioner plug screw	17 N•m (150 lbf•in)

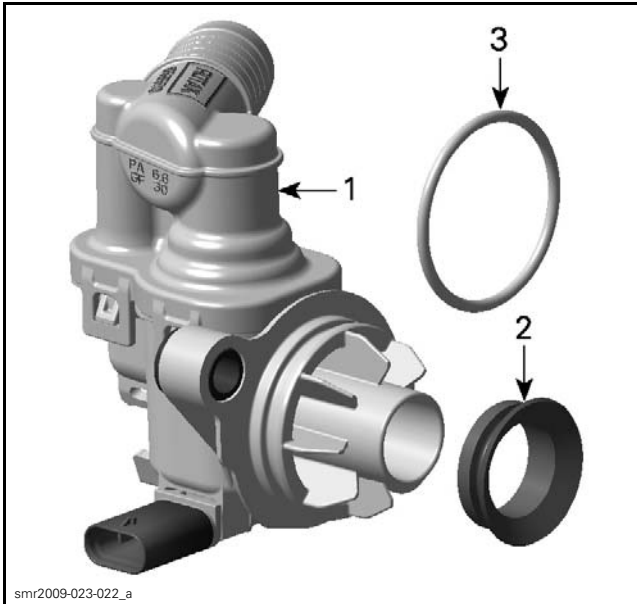
## Watercraft Parts Installation

The installation is the reverse of removal procedure. However, pay attention to the following.

Remove the camshaft locking tool, the dial gauge and the dial gauge adapter.

### Blow-By Valve Installation

Install **new** O-ring and V-ring on blow-by valve.



1. Blow-by valve
2. V-ring
3. O-ring

Install and secure the blow-by valve.

BLOW-BY VALVE SCREWS	
PRODUCT	LOCTITE 243 (BLUE) (P/N 293 800 060)
TORQUE	9 N•m (80 lbf•in)

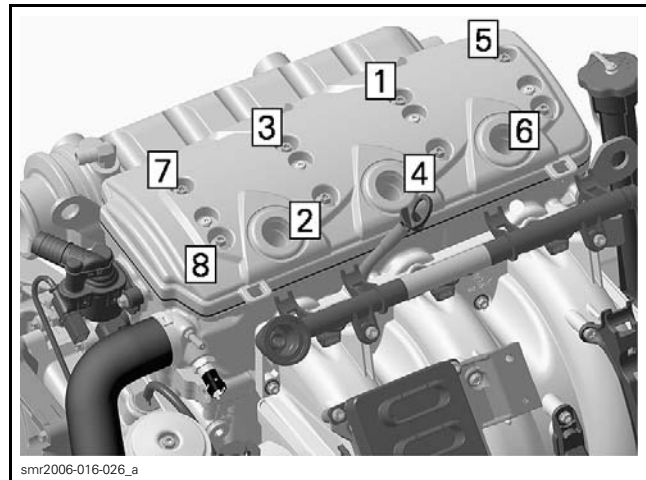
Reconnect CTS, CPS and TOPS.

### Cylinder Head Cover Installation

Properly seat the gasket in the cover groove.

Tighten cylinder head cover screws to specification according to the following sequence.

TIGHTENING TORQUE	
Cylinder head cover screws	9 N•m (80 lbf•in)



TIGHTENING SEQUENCE

Tighten spark plugs to specification.

SPARK PLUGS	
PRODUCT	LOCTITE 767 (ANTISEIZE LUBRICANT) (P/N 293 800 070)
TIGHTENING TORQUE	17 N•m (150 lbf•in)

Install ignition coils. Refer to *IGNITION SYSTEM – IGNITION COIL INSTALLATION* in the appropriate shop manual.

### Jet Pump Installation

Refer to the appropriate shop manual to reinstall the jet pump. However, pay attention to the following.

#### *RXT, GTX and WAKE PRO Series*

Use the **new** jet pump screws (M8 x 30 hexagonal head screw) to secure the jet pump to the ride plate.

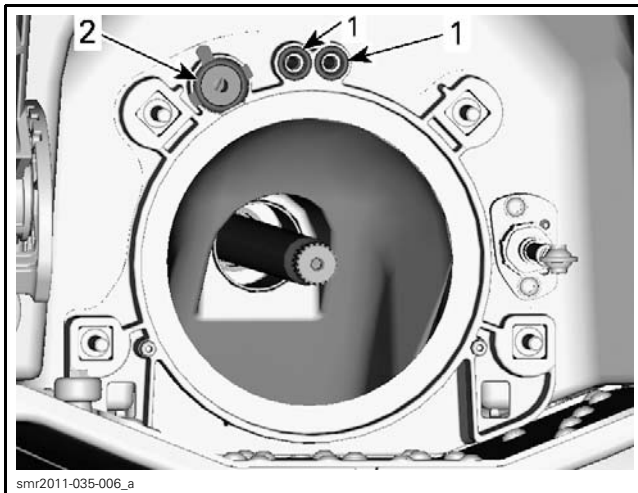
Tighten screws to specification in a crisscross sequence. Repeat twice.

TIGHTENING TORQUE	
NEW jet pump screw (M8 x 30 hexagonal head screw)	35 N•m (26 lbf•ft)

#### *GTS, GTI and WAKE 155*

Install **new** O-rings on pump support.

Ensure that the **YELLOW** calibrated reducer is properly installed on pump support.



1. Install new O-rings
2. Calibrated reducer

Install **new** nuts and torque to specification as per following sequence.

TIGHTENING TORQUE	
Jet pump nuts	22 N•m (16 lbf•ft)

## WARRANTY

Submit a warranty claim using the following information.

### Warranty Information

GENERAL INFORMATION (FOR ALL MODELS)	
Campaign Number	2011-0004
Claim Type	Campaign claim
Action	Repair
Expiry Date	August 8 <sup>th</sup> , 2014

FLAT RATE (SPECIFIC TO MODELS)	
GTS series	1 hour
GTI Series WAKE 155	1.3 hours
RXT 260, RXT X 260, RXT X RS 260 GTX 215 WAKE PRO 215	1.6 hours
RXT X aS 260, RXT X RS aS 260, RXT iS 260 GTX iS 215, GTX LTD iS 260	2.7 hours

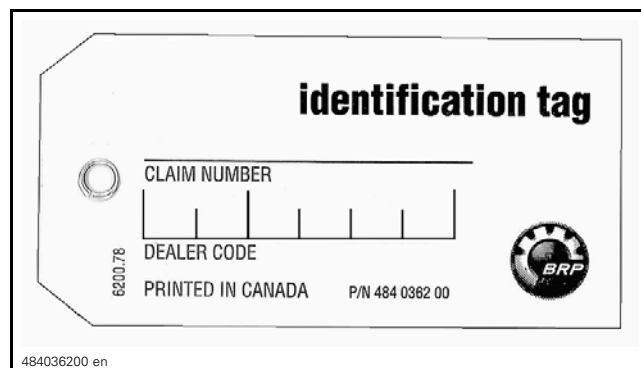
Click in the REPAIR BOX while completing your claim on BOSSWeb.

<b>REPAIR</b>	✓
---------------	---

## Parts Return

Dealers/distributors are required to return parts, **timing chain only**, to support their claims.

**IMPORTANT:** To reduce the potential risk of claim debit when consolidating parts returns within the same shipment it is important to properly identify each individual part with **the claim number and the unit serial number**. This will ensure that we correctly acknowledge the parts within the warranty claims. Please use identification tag (P/N 484 036 200), indicate the claim number and **add the unit serial number**.



### Shipping Addresses

USA DEALERS	BRP c/o Warranty Department 7575 Bombardier Court Wausau, WI 54401
CANADIAN DEALERS	BRP Warranty Parts Inspection Center 565 de la Montagne Valcourt, QC, J0E 2L0
OTHERS COUNTRIES	Contact your local distributor or BRP Regional Office.

### Warranty Shipping Address Decals

Warranty shipping address decals can be ordered if needed.

COUNTRY	P/N
U.S.A.	490 901 601
Canada	484 500 001

---

# SERIAL NUMBER LISTING OF INVOLVED WATERCRAFT

**Model: 17BA**

From 013437 to 013461  
From 013467 to 013478  
From 013481 to 013571  
From 013758 to 013815  
From 013817 to 013863

**Model: 17BB**

013864  
From 013867 to 013868  
From 013870 to 013928  
From 013930 to 013940  
From 013942 to 013943  
From 013945 to 013975  
From 013980 to 013991  
From 013993 to 014003

**Model: 18BA**

From 001458 to 001484  
001490  
From 001492 to 001498  
From 001503 to 001576  
From 002081 to 002088  
002204

**Model: 18BB**

From 001577 to 001585  
From 001587 to 001600  
From 001602 to 001708  
001721  
001727  
001740  
From 001755 to 001763  
From 001766 to 001866  
From 001868 to 001916  
001982  
001992  
From 002029 to 002032

**Model: 23BA**

020764  
From 020766 to 020772  
020774  
020776  
From 020778 to 020779  
From 020781 to 020889  
From 020891 to 021043  
From 021951 to 022106  
From 022637 to 022652  
From 022654 to 022822  
From 022824 to 022974  
From 024265 to 024602  
From 025906 to 026004  
From 026006 to 026010  
From 026012 to 026025

**Model: 23BA (cont'd)**

From 026027 to 026151  
From 026153 to 026243

**Model: 23BB**

From 021044 to 021187  
From 021189 to 021199  
From 022556 to 022616  
From 022618 to 022636  
From 024174 to 024220  
From 024222 to 024264  
From 025787 to 025905

**Model: 24BA**

From 021224 to 021286  
From 021288 to 021289  
From 021291 to 021295  
From 022107 to 022113  
From 022115 to 022130  
From 023123 to 023193  
From 023195 to 023398  
From 024727 to 024772  
From 024774 to 024809  
From 024811 to 024920  
From 024922 to 024961  
From 024963 to 025001  
From 026366 to 026567  
From 026569 to 026640

**Model: 24BB**

From 021200 to 021223  
From 022975 to 022978  
From 022980 to 022981  
From 022983 to 022990  
From 022992 to 022995  
From 022997 to 022998

**Model: 24BC**

From 021296 to 021311  
From 021313 to 021328  
From 021330 to 021367  
From 021369 to 021573  
From 022132 to 022237  
From 022239 to 022246  
From 022248 to 022342  
From 022344 to 022357  
From 022359 to 022395  
From 022397 to 022500  
From 022999 to 023122  
From 024603 to 024726  
From 026244 to 026365  
From 028208 to 028209

**Model: 25BA**

From 031070 to 031088  
From 031090 to 031243

**Model: 25BA (cont'd)**

From 031708 to 031729  
From 031731 to 031739  
From 031893 to 031924  
From 032053 to 032133

**Model: 26BA**

From 008432 to 008439  
From 008441 to 008465  
From 008467 to 008469  
From 008482 to 008483  
008489  
008492  
008495  
From 008528 to 008531  
From 008534 to 008535  
From 008537 to 008538  
From 008541 to 008542  
008846

**Model: 26BB**

From 008316 to 008345  
From 008347 to 008428  
008430

**Model: 30BA**

From 023458 to 023864  
From 025056 to 025462  
From 026696 to 027101  
From 027411 to 027638  
From 027640 to 027680  
From 027682 to 027689  
From 027691 to 027752  
From 027754 to 027757  
027759  
027761  
From 027764 to 027768  
From 027770 to 027771  
027773  
027775  
From 027778 to 027786  
027788  
From 027790 to 027792  
From 027795 to 027797  
From 027799 to 027881  
From 029902 to 029903

**Model: 30BB**

From 021574 to 021665  
From 023399 to 023457  
From 025002 to 025055  
From 026641 to 026695  
From 029200 to 029201  
From 029203 to 029207  
From 029209 to 029249

---

**Model: 31BA**

013287  
013327  
From 013367 to 013382  
013384  
From 013386 to 013436  
From 013572 to 013628  
013651  
From 013689 to 013699  
From 013702 to 013757

**Model: 31BB**

From 014005 to 014011  
From 014015 to 014114  
From 014116 to 014211  
From 014213 to 014260  
From 014262 to 014319  
From 014321 to 014337  
From 014339 to 014346  
From 014348 to 014353  
014355  
014360  
From 014362 to 014364  
From 014371 to 014372  
014374  
014376  
From 014382 to 014383  
014385  
From 014387 to 014501

**Model: 33BA**

From 001917 to 001922  
From 001931 to 001932  
From 001966 to 001968  
From 001971 to 001974  
From 001976 to 001977

**Model: 34BA**

004674  
From 004699 to 004762  
From 004764 to 004775  
From 004781 to 004789  
From 004791 to 004800  
From 005356 to 005400  
From 005402 to 005482

**Model: 34BB**

004801  
004808  
004812  
004815  
004829  
004835  
004843  
004849  
004854  
004857  
From 004859 to 004861

**Model: 35BA**

From 021832 to 021874  
From 021876 to 021881  
From 021883 to 021885  
From 023900 to 023960  
From 025463 to 025523  
From 027117 to 027146  
027152  
From 027154 to 027177  
From 028234 to 028268  
From 028270 to 028287  
From 028298 to 028313  
028355  
From 028436 to 028437  
028440

**Model: 35BB**

From 021886 to 021917  
From 021919 to 021932  
From 021937 to 021950  
From 023865 to 023899  
From 027102 to 027116  
028456  
From 028459 to 028460  
From 028462 to 028465  
028468  
028474

**Model: 39BA**

From 021666 to 021750  
From 021752 to 021831  
From 023961 to 024173  
From 025524 to 025736  
From 027178 to 027273  
From 027277 to 027283  
From 027285 to 027286  
From 027288 to 027355

**Model: 39BB**

From 022501 to 022544  
From 022553 to 022555  
From 025737 to 025784  
025786  
From 027356 to 027369  
From 027371 to 027410

**Model: 41BA**

From 004862 to 004887  
From 004890 to 004930  
From 004932 to 004940  
From 004942 to 004947

**Model: 41BB**

From 004948 to 005355

**Model: 42BA**

008595  
From 008729 to 008731

**Model: 42BB**

From 008244 to 008245  
From 008247 to 008256  
From 008258 to 008260  
From 008263 to 008266  
From 008268 to 008269  
From 008273 to 008275  
From 008277 to 008314  
009485

**Model: 43BA**

From 031268 to 031299  
From 031301 to 031324  
From 031326 to 031328  
From 031330 to 031369  
From 031371 to 031644  
From 031646 to 031659  
From 031661 to 031707  
From 031786 to 031790  
From 031792 to 031882  
From 031884 to 031892  
From 031946 to 031966  
From 031968 to 031978  
From 031980 to 032052  
From 032154 to 032173  
From 032176 to 032187  
From 032189 to 032199  
From 032201 to 032203  
From 032205 to 032209  
From 032211 to 032228  
From 032230 to 032231  
From 032233 to 032237  
From 032241 to 032259  
032261  
032420  
032422  
From 032431 to 032436  
From 032438 to 032450

**Model: 43BB**

From 031244 to 031267  
From 031740 to 031785  
From 031925 to 031945  
From 032134 to 032136  
From 032138 to 032140  
From 032142 to 032150  
From 032152 to 032153  
032681